"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

5(3)

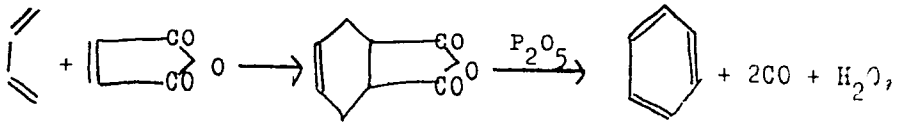
SOV/79-29-8-33/81

AUTHORS: Skvarchenko, V. R., Levina, R. Ya., Karpenko, N. F.

TITLE: Aromatic Hydrocarbons. X. Synthesis of Polymethyl-diethyl Benzenes From Adducts of 3,4-Diethyl-hexadiene-2,4 With Maleic and Alkyl-maleic Anhydrides

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2605 - 2609 (USSR)

ABSTRACT: The aromatization of the tetrahydrophthalic anhydrides under the action of phosphorus pentoxide carried out previously according to the scheme



was used in the present paper for the synthesis of polymethyl-diethyl benzenes hitherto unknown (dimethyl-, trimethyl-, and tetramethyl-diethyl benzenes). The transformation of the adducts of tetraalkyl-butadiene (of 3,4-diethyl-hexadiene-2,4) with maleic, methyl- and dimethyl-maleic anhydride under the action

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Aromatic Hydrocarbons. X. Synthesis of Polymethyl-diethyl Benzenes From Adducts of 3,4-Diethyl-hexadiene-2,4 With Maleic and Alkyl-maleic Anhydrides

SOV/79-29-8-33/81

of P_2O_5 was investigated. The behavior of 3,4-diethyl-hexadiene-2,4 in the "diene synthesis" has so far not been investigated. It was carried out on heating in the autoclave at 120, 130, and 190°, respectively, within 10, 20, and 30 hours (yields 72.41 and 67%) (Scheme 2). From compound (I) compound (IV) was obtained by heating with P_2O_5 in a 71% yield (Scheme 3). By reaction of P_2O_5 with (II), (V) was formed (89%) (Scheme 4). The adduct of 3,4-diethyl-hexadiene-2,4 with dimethyl-maleic anhydride, compound (III), was more resistant to P_2O_5. Compound (VI) could only be obtained by heating the reaction mass for 10 hours (Scheme 5)(77%). The synthesized hydrocarbons not yet described were closely characterized. The initial diene, the 3,4-diethyl-hexadiene-2,4, was obtained by dehydration of 3,4-dimethyl-hexanediol-3,4 with acetic anhydride in the presence of orthophosphoric acid (50-54%). There are 11 references, 6 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet(Moscow State University)
SUBMITTED: July 4, 1958
Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KELER, E.K.; KARPENKO, N.B.

Interaction of $BaCO_3$ with TiO_2 and ZrO_2 during heating. Zhur. neorg. khim. 5 no.3:668-675 Mr '60. (MIRA 14:6)

1. Institut khimii silikatov AN SSSR.
(Barium carbonate)
(Titanium)
(Zirconium oxide)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

S/078/60/005/06/12/030
B004/B014

15.2210

AUTHORS: Karpenko, N. B., Keler, E. K.

TITLE: Interaction of $BaCO_3$ With TiO_2 and ZrO_2 on Heating

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 6, pp. 1267 - 1282

TEXT: By way of introduction, the authors discuss publications concerning the above subject, and mention P. Z. Tandura, T. N. Verbitskaya, T. N. Burakova, G. A. Smolenskiy, A. I. Avgustinik, and N. S. Antselevich. Fig. 1 offers a comparison of the data supplied by P. Z. Tandura and T. N. Verbitskaya for the parameters of the unit cell of the solid $BaTiO_3$-$BaZrO_3$ solutions with the data obtained by the authors. The authors had already investigated the interaction of $BaCO_3$ with TiO_2 and ZrO_2 in an equivalent ratio of the components (Ref. 4), and had worked out a method for the quantitative determination of the various phases by X-ray, optical, and chemical analysis. The present paper deals with

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the interaction at various ratios among the components (Fig. 2). The samples were continuously annealed up to 1,200°C, then constantly at 1,200, 1,250, 1,300, 1,400, 1,500, and 1,600°C. Thermograms were taken by means of a device designed by E. K. Keler and A. K. Kuznetsov (Ref. 7), which permitted the simultaneous recording of the thermal differential curve, the curve of weight loss, and the curve of volume change. Fig. 3 shows such thermograms. For comparison, Fig. 4 illustrates the thermograms for TiO_2, ZrO_2, $BaCO_3$, and the binary mixtures $BaCO_3+TiO_2$ and $BaCO_3+ZrO_2$. The endothermic effect observed between 1,000 and 1,100°C was explained by a redistribution of BaO in the titanate and zirconate on the establishment of equilibrium in the solid solutions, which was confirmed by the thermogram (Fig. 5) of $BaZrO_3$ + + TiO_2. Experimental data are given in Tables 1,2. Figs. 6,7 show the composition of the phases for different mixtures of $BaTiO_3$ + ZrO_2 and $BaZrO_3$ + TiO_2 at temperatures between 1,200 and 1,600°C. The interaction between the oxides of the system BaO - TiO_2 - ZrO_2 proceeds in a

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different way, depending on temperature and composition of the mixture. The formation of the solid solution $BaTiO_3$-$BaZrO_3$, which takes place only above 1,200°C, is determinant for the subsequent processes. The components which do not enter the solid solution, form barium dititanates and barium trititanates below 1,300°C, barium tetratitanate at 1,300 - 1,400°C, and zirconium titanate above 1,400°C. If the mixture has a high TiO_2 content, a new compound is formed, which corresponds to one of the compounds $Ba_2Ti_5O_{12}$ or $Ba_2Ti_9O_{20}$ given by G. H. Jonker and W. Kwestroo (Ref. 5). The processes took place at different rates in the system investigated. Inhibited, retarded reactions occur for a part (formation of the solid solution below 1,200°C, formation of barium dititanate) which do not attain equilibrium with the usual technical burning times. Hence, the phase compositions found do not correspond to equilibrium states, but to stable, relatively invariant states. These phase diagrams can therefore be valuable in the field of electroceramics of barium titanate and other compounds. There are 7 figures, 2 tables, and 8 references: 7 Soviet and 1 American.

Inst. of Silicate Chemistry, Acad Sci USSR

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N. B.

Dissertation defended for the degree of Candidate of Chemical Sciences at the Institute of Silicate Chemistry imeni I. V. Grebenshchikov in 1962:

"Study of Barium Carbonate Reactions with Dioxides of Titanium and Zirconium Upon Heating."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

MARCHENKO, A.I., kand.med.nauk (Kiyev); KARPENKO, N.G. (Kiyev); SHCHERBINA, A.S. (Kiyev)

Frequency of paradentosis among the rural population of Fastov and Brovary Districts of Kiyev Province. Probl.stom. 4:201-204 '58. (MIRA 13:6)

(KIEV PROVINCE--GUMS--DISEASES)

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KARPENKO, N. I., assistent

Reconstruction of the masticatory function in the orthopedic treatment of some forms of pathologic occlusion. Trudy KGMI no.2:196-206 '60. (MIRA 15:7)

1. Iz kafedry ortopedicheskoy stomatologii - zav. kafedroy dotsent M. A. Solomonov.

(MASTICATION) (DENTAL PROSTHESIS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

GAVRILOV, Ye.I., prof.; KARPENKO, N.I., assistent

Recording the chewing movements of the lower jaw (oscillography). Stomatologiia 41 no.5:69-72 S-O '62. (MIRA 16:4)

1. Iz kafedry ortopedicheskoy stomatologii (zav. - prof. Ye.I. Gavrilov) Kalininskogo meditsinskogo instituta.
(MASTICATION) (OSCILLOGRAPHY)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KOSYGIN,Yu.A.;GORLOV,S.I.; KARPENKO,N.M.

Tectonics of the western Ciscaucasian marginal depression. Izv. AN SSSR. Ser.geol.20 no.4:92-101 Jl-Ag'55. (MLRA 8:10)
(Caucasus, Northern--Geology, Structural)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.M.; MICHKASSKAYA, N.A.

Some results of regional generalization of electric logging data.
Geol. nefti i gaza 5 no.6:35-40 Je '61. (MIRA 14:6)

1. Upravleniye Krasnodarneft'.
(Electric prospecting)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, Nikolay Mitrofanovich * DECEASED

KARPENKO, N.M.

Recovery factor based on depleted pools in eastern fields of the Oil Field Administration of the Khadyzhensk Petroleum Trust. Neft. khoz. 40 no.1:44-49 Ja '62. (MIRA 15:2)
(Krasnodar Territory--Oil fields--Production methods)

* obit - Neftegazovaya geologiya i geofizika Moscow No. 9, September 1964

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N. N.

S/120/62/000/004/007/047
E039/E420

AUTHORS: Malyshev, I.F., Popkovich, A.V., Mikhelis, Ya.L., Martyugov, G.M., Artemov, A.D., Karpenko, N.M.

TITLE: The vacuum system of the 7 Gev proton synchrotron

PERIODICAL: Pribory i tekhnika eksperimenta, no.4, 1962, 46-51

TEXT: The vacuum chamber of the synchrotron consists of 112 curved sections in the magnet gaps and 112 straight sections situated between the magnet blocks. The curved sections (except for 11 sections containing accelerating electrodes, situated in X-blocks) are constructed from corrugated tubes of 1Х18Н9Т (1Kh18N9T) steel; thickness 0.3 mm, convolutions 3 mm deep and a pitch of 7 mm and of elliptical cross-section 114 and 84 mm along axes. On the straight sections are mounted the vacuum manifolds and apparatus for observing the beam, e.g. measurement of intensity and position of beam and also lost particles. 56 Oil diffusion pumps type ВА-05 (VA-05) with semiconductor refrigerators and liquid nitrogen traps are used to evacuate the working space and there are 14 forevacuum pumps type ВН-1 (VN-1). The vacuum chamber can be divided into 14 sections by means of

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S/120/62/000/004/007/047
E039/E420

The vacuum system of ...

gate valves which can be operated manually or by remote control. A working pressure of about 2×10^{-6} mm is achieved. Detailed diagrams of the layout of the system and the main components are given. There are 7 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury GKAE (Scientific Research Institute for Electrophysical Apparatus GKAE)

SUBMITTED: April 6, 1962

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

MALYSHEV, I.F.; POPKOVICH, A.V.; MIKHELIS, Ya.L.; MARTYUGOV, G.M.; ARTEMOV, A.D.; KARPENKO, N.M.

Vacuum system of the 7 bev. proton synchrotron. Prib. i tekh. eksp. 7 no.4:46-51 Jl-Ag '62. (MIRA 16:4)

1. Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury Gosudarstvennogo komiteta po ispol'zovaniyu atomnoy energii SSSR.
(Vacuum apparatus) (Synchrotron)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.P.; KUSLIK, M.I., professor, zaveduyushchiy.

Knock knee (genu valgum). Vest.khir. 73 no.5:12-17 S-O '53. (MLRA 6:11)

1. Kafedra ortopedii i protezirovaniya Gosudarstvennogo ordena Lenina Leningradskogo instituta usovershenstvovaniya vrachey im. S.M.Kirova (for Kuslik). 2. Ortopedicheskoye otdeleniye TSentral'nogo gosudarstvennogo travmatologicheskogo instituta im. R.R.Vredena. (Leg--Abnormities and deformities)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.P., kandidat meditsinskikh nauk(Leningrad ul. Plutalova d.5 kv.38)

Dislocations in childred. Vest.khir.74 no.7:46-50 O-N '54.
(MLRA 8:10)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo detskogo ortopedicheskogo instituta im. G.I.Turnera.
(DISLOCATIONS, in infant and child)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO N.P.

KARPENKO, N.P.(Leningrad)

Use of a metal folding rule for anthropometric examinations.
Ortop.travm. i protez. no.2:65-66 Mr-Ap '55 (MLRA 8:10)
(ANTHROPOMETRY
use of metal folding rule)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.P., kand.med.nauk

Objective examination of the curvature of the spine and trunk; measurement by a transparent comparative millimetric grid. Ortop.travm. i protez. 20 no.7:55-57 Jl '59. (MIRA 12:10)

1. Iz Stalinskogo nauchno-issledovatel'skogo instituta travmatologii, ortopedii i protezirovaniya (dir. - kand.med.nauk T.A. Revenko).

(ORTHOPEDICS equipment & supplies)
(SCOLIOSIS diag.)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.P.

Surgical treatment of a deformity of the spine. Vest. khir. 85 no. 8:132-133 Ag '60. (MIRA 14:1)
(PHLEGMON) (SPINE—SURGERY)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.P. (Leningrad, Barmaleyeva ul., d.5, kv.38)

Treatment of fractures of long tubular bones with the aurthor's own apparatus. Vest.khir. no.4:126-129 '61. (MIRA 14:4)

1. Iz travmatologicheskogo otdeleniya (nauchn. rukovod. - prof. G.Ya. Epshteyn) bol'nitsy im. Raukhfusa (gl. vrach - Yu.S. Chistyakova).

(FRACTURES)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N. V.

KARPENKO, N. V. -- "Investigation of the Laws of Movement and Precipitation of Granules in Locks with Low Water Levels." Min Higher Education USSR. Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya letopis', No. 4, Moscow, 1956

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

ANDREYEVA, Ye.V.; KARPENKO, N.V.

Forecasting the runoff of spring floods in western Kazakhstan, as exemplified by the Uil River. Trudy Kaz.NIGMI no.16:3-19 '61. (MIRA 15:5)

(Uil River--Flood forecasting)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.V.

Enlarged plenum of the Scientific Technological Council of the Scientific Research and Planning Institute for the Mechanical Processing of Minerals on the improvement of flotation machines. TSvet. met. 34 no. 4:75-78 Ap '61. (MIRA 14:4)
(Flotation--Congresses)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, N.V.

Forecasting the extent of high waters and maximum discharge of the water of the Dzhaksy-Sarysu and Sarysu Rivers. Trudy KazNIGMI no.18:113-119 '63. (MIRA 17:4)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

AKININ, P. I., inzh.; BUGAYEV, A. B., inzh.; GAZIN, V. V., inzh.; GINDIS, Ya. P., inzh.; ZAYTSEV, V. V., inzh.; KARPENKO, V. M., inzh.

Automatic control of ladle turning. Mekh.i avtom.proizv.18 no. 5:14-16 My '64. (MIRA 17:5)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

S/598/61/000/006/009/034
D228/D303

AUTHORS: Ogurtsov, S.V., Reznichenko, V.A., Karpenko, O.A., and Yegorov, S.I.

TITLE: The two-stage method of the sodiothermic preparation of titanium

SOURCE: Akademiya nauk SSSR. Institut metallurgii. Titan i yego splavy. no. 6, 1961. Metallotermiya i elektrokhimiya titana, 60 - 67

TEXT: In re-examining the two-stage method for the sodiothermic production of Ti the authors' aim was to secure information on the optimum temperature conditions for the formation of "black salt"- $13NaCl \cdot 3TiCl_3 \cdot 2TiCl_2$; the distribution of the reaction products during the prereduction of this compound; the influence of both the rate of Na input and the excess of NaCl on the crystallization of Ti; and the main structure of the resulting metal. "Black salt" crystallizes in one of the lower systems, and has a refractive-index and melting-point of 1.66 - 1.68 and 502 - 503° respectively;

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The two-stage method of the ...

it arises as an intermediate product in the first stage of the sodiothermic process and eliminates the formation of finely-dispersed Ti -- a possible source of metal contamination. The work was done in a laboratory reactor fitted with a distillation crucible and a feeder for the liquid reducing-agent which was added either rapidly (in 1 or 2 portions) or slowly in small successive increments. The experimental data show that a homogeneous crystalline mass of "black salt" may be obtained in all cases, particularly at 750 - 850°. The simultaneous addition of all reagents gives a fine sponge. But coarser dendritic material -- with crystal dimensions of up to 25 mm and having the properties of "iodide" Ti (H_B = 90) -- is formed on the addition of liquid Na to molten "black salt" at 650 - 750°. The slow rather than the rapid addition of Na also promotes the growth of coarser Ti. Structures identified by the authors include compact sponge consisting of a homogeneous mass of small grains, dendritic material, and acicular material with discrete Ti crystals whose size is increased by decreasing the rate of the reducer's input. However, in the event of an excess of NaCl over the amount required for the formation of "black salt", the rapid addi-

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The two-stage method of the ...

tion of the reducer is conducive to the development of large crystals. The author conclude that the further elaboration of this method could lead to both the decreased consumption of Na and Cl in the sodiothermic process and the considerable improvement of the quality of the end-product. There are 4 figures.

Card 3/3

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

GOROSHCHENKO, Ya.G.; UDE, E.O.; KARPENKO, O.A.

Chlorination of sphene concentrates by chlorine gas without a reducing agent. Titan i ego splavy no.9:123-126 '63. (MIRA 16:9)
(Titanium ores) (Chlorination)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

[redacted], Ya.G.; UDE, E.O.; KARPENKO, O.A.

Chlorination of sphene concentrates by chlorine gas with a reducing agent. Titan i ego splavy no.9:127-135 '63. (MIRA 16:9)
(Titanium ores) (Chlorination)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

VOLOSHIN, A.M. (Krivoy Rog); KARPENKO, O.A. (Krivoy Rog)

Using short-delay blasting at the "Kommunar-Pobeda" mine of the Dzerzhinskii Mining Administration. Met. i gornorud. prom. no.3: 75-76 My-Je '63. (MIRA 17:1)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

AGOSHKOV, M.I.; KARPENKO, O.M.

Discussion of principles governing the planning of scientific research. Vest. AN SSSR 35 no.5:81-85 My '65.
(MIRA 18:6)

1. Chlen-korrespondent AN SSSR (for Agoshkov).

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L 1301-66 EWT(d)/EWT(l)/EWT(m)/EWP(w)/T-2/EWP(l) IJP(c) WW/EM/RC
ACCESSION NR: AP5022453 UR/0209/65/000/009/0019/0023

AUTHORS: Grukhin, N. (Engineer, Captain); Karpenko, V. (Engineer, Major); Shirokov, B. (Engineer, Lieutenant Colonel)

TITLE: In bumpy air conditions

SOURCE: Aviatsiya i kosmonavtika, no. 9, 1965, 19-23

TOPIC TAGS: aircraft stress, aircraft control, aircraft control system, atmospheric turbulence, automatic pilot, aircraft stability, gust load

ABSTRACT: The control problems involved in flying through bumpy air were studied to determine the best control system. Structural overloading (caused by the wind) and maneuvering stress components must be minimized, and angles of attack exceeding the critical one must be avoided. Manual control causes up to 50% more overloading situations than autopilot control, since the plane's moment of inertia prevents the pilot from rapidly changing the pitch angle. An autopilot can react to pitch angle, angular acceleration, and altitude or may be insensitive to altitude. Small altitude changes produce insignificant control signals, and large altitude changes result in control with increased maneuvering overloading. Thus, in all conditions (except for gale gusts which must be studied further) the

Card 1/2

Card 2/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

OVNATANYAN, K.T., prof., zasluzhennyy deyatel' nauki UkrSSR; KARPENKO, V.S., dotsent

Clinical aspects, diagnosis and treatment of cysts and tumors of the tail portion of the pancreas. Vest. khir. 94 no.1:14-17 Ja '65. (MIRA 18:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. K.T. Ovnatanyan) lechebnogo fakul'teta Donetskogo meditsinskogo instituta imeni Gor'kogo.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, O.Yu.

Library of the Academy of Sciences of the Ukrainian S.S.R. in Lvov.
Visnyk AN URSR 24 no.11:79-80 N '52. (MLRA 9:9)
(Lvov--Libraries).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, O.Yu.

Soviet government in the Western Ukraine in 1920. Visnyk AN URSR 26 no.11:8-14 N '55. (MLRA 9:2)
(Ukraine--Revolution, 1917-1921)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, O. YU.

USSR/Miscellaneous - Politics

Card 1/1 : Pub. 138 - 6/11

Authors : Karpenko, O. Yu.

Title : From the history of revolution. Struggle of West Ukrainian labor masses for the Communist regime

Periodical : Visnik AN URSR, 8, 51-60, Aug 1954

Abstract : Fragments from the October 1917 uprising of labor masses in Western Ukraine (Drohobycz Petroleum Region, former Poland) against the Austro-Hungarian regime. Remarks by Lenin and Stalin regarding this unsuccessful revolution, are included.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.

Reliable spark extinguishers for tractors and combines. Pozh. delo 4 no.1:16 Ja '58. (MIRA 11:1)

1. Nachal'nik otdela tekhnicheskogo kontrolya Dzhambulskogo remontnogo zavoda.
(Dzhambul Province--Tractors--Safety appliances)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

ZALOGIN, Nikolay Savel'yevich [Zalohin, M.S.]; KARPENKO, P., red.; GUSAROV, K. [Husarov, K.], tekhn.red.

[Examination problems in mathematics] Konkursni zadachi z matematyky. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1959. 436 p. (MIRA 13:8)
(Mathematics--Problems, exercises, etc.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.D.

Determining the distribution of pressure on the profile during the flow of an incompressible fluid around it. Dop. AN URSR no.12:1560-1566 '61. (MIRA 16:11)

1. Drogobichskiy gosudarstvennyy pedagogicheskiy institut. Predstavleno akademikom AN UkrSSR G.N.Savinym [Savin, H.M.].

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

L 21765-65 EWP(m)/EWG(v)/EWA(h)/EWP(k)/EWT(d)/EWT(1)/EWT(m)/FCS(k)/FS(m)/T-2/EWA(d)/EWA(1)/EWP(w)/EWP(v) Pd-1/Pe-5/Pf-4/Peb SSD/AEDC(a)/AFWL/ASD(f)-3 EM

ACCESSION NR: AT5002839 S/3123/64/000/001/0035/0044

AUTHOR: Karpenko, P. D.

TITLE: Incompressible flow around an arbitrary wing profile

SOURCE: AN UkrSSR. Institut matematiki. Voprosy matematicheskoy fiziki i teorii funktsiy, no. 1, 1964, 35-44

TOPIC TAGS: incompressible flow, arbitrary wing profile, flow around wing profile, successive conformal mapping

ABSTRACT: The problem of determining the transformation function which conformally maps a region of incompressible fluid flow around an arbitrary wing profile onto the exterior of a circle is analyzed. The numerical solution of this problem by using the method of successive conformal mappings developed by P. F. Fil'chakov (Ukrainskiy matematicheskiy zhurnal, v. 10, no. 4, 1958) is proposed. A procedure is presented for conformal mapping of a wing profile into a curve which is close to the unit circle, then mapping into the unit circle. Pecularities of such mappings are analyzed and transformation functions are given. The author claims that the advantage of this method rests

Card 1/2

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ACCESSION NR: AT5002839

in the fact that all transformations are carried out by means of elementary functions which can be calculated easily on simple digital computers. Besides, this method does not require knowing the equation of the wing profile — it is sufficient to know a certain number of its points. In addition, the article analyzes the problem of determining the lifting force of the wing, which is reduced to the problem of determining the circulation velocity of a flow past the wing profile. It is shown how the first three coefficients of transformation, functions expanded into Laurent series which are necessary for the solution of the problem, can be determined to any desired accuracy. The circulation velocity of the flow and the lifting force are determined from the obtained value of the first coefficient. A concrete example is analyzed to illustrate the method. Orig. art. has: 5 figures and 32 formulas. [LK]

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: AS, ME

NO REF SOV: 006 OTHER: 000 ATD PRESS: 3168

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

ACCESSION NR: AP4012584 S/0021/64/000/002/0177/0180

AUTHOR: Karpenko, P. D.

TITLE: A numerical method of maping a polygon on a circle

SOURCE: AN UkrRSR. Dopovidi, no. 2, 1964, 177-180

TOPIC TAGS: tracking, tracing, aerostructures, conformal mapping, aircraft wing

ABSTRACT: An approximate method of mapping a polygon on a circle and of determining the constants of the Christoffel-Schwartz integral by the method of successive conformal mapping (P. F. Fy*l'chakov, Ukrayins'ky*y Matematy*chny*y Zhurnal, v. 10, 1958, 340) is considered. The mapping of the outer region of a broken line (a degenerate tetragon) on the outside of a circle is considered as a numerical example in connection with calculations that can be applied in designing an aircraft wing. Orig. art. has 2 figures, 1 table, and 11 formulas.

ASSOCIATION: Drogoby*ts'ky*y Derzhavny*y Pedagogichny*y Insty*tut (Drogobitsy State Pedagogic Institute)

Card 1/1 27 Jun 63

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

21366
S/021/61/000/012/003/011
D251/D305

10.1210

AUTHOR: Karpenko, P. D.

TITLE: Determining the pressure distribution on a profile with a flow of incompressible liquid

PERIODICAL: Akademiya nauk Ukrayins'koyi RSR. Dopovidi, no. 12, 1961, 1560-1566

TEXT: It is assumed that a profile is given with an angular point in its rear edge. The Karman-Trefetz function is applied

$$\frac{z' - \varkappa q}{z' + \varkappa q} = \frac{(\zeta' - q)^{\chi}}{(\zeta + q)^{\chi}} \qquad (1)$$

where $\varkappa = 2 - \frac{\delta}{\pi}$ and δ is the angle between the tangents in angular strip, and q is given approximately by

$$c \approx 2\varkappa q = \sqrt{A'B'} \qquad (2)$$

Card 1/5

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

Determining the pressure ...

(See also figure at end.) By means of a conformal transformation

$$z' = z - \varkappa q; \quad \zeta' = \zeta - q \qquad (3)$$

(1) is mapped onto a quasi circle K' in the ζ-plane. K' is then surrounded by a circle K, such that at B (the transform of the angular point B') there is a minimum divergence between K and K'. The center of K, M(ξ_0, η_0) is found by the method of least squares.

By means of the transformation

$$\gamma = \frac{\vartheta}{\Psi} \qquad (10)$$

K' is mapped onto K, the angles being as shown. If

$$w = \frac{a}{1 - \left(1 - \frac{a}{I}\right)^{\delta}} \qquad (9)$$

Card 2/5

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

Determining the pressure ...

where a is the angle of attack, and

$$w_1 = w + \xi_0 + i\eta_0 \qquad (14)$$

then, for a definite solution, it is necessary to evaluate $\left|\frac{dw}{dz}1\right|$. Writing, in the usual way,

$$\frac{dw_1}{dz} = \frac{dw_1}{dw}\left|\left|\frac{dw}{d\zeta}\right|\right|\left|\frac{d\zeta}{dz}\right| \qquad (19)$$

it is shown that $\frac{dw_1}{dz} = 1$, and

$$\frac{d\zeta}{dz} = \frac{(2q)^2}{\left[1-\left(1-\frac{2xq}{z}\right)^{\frac{1}{\varkappa}}\right]^2}\cdot\frac{\left(1-\frac{2xq}{z}\right)^{\frac{1}{\varkappa}}}{1-\frac{2xq}{z}}\cdot\frac{1}{z^2} \qquad (20)$$

Card 3/5

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

Determining the pressure ...

$$\left|\frac{d\zeta}{dz}\right| = \frac{\xi^2 + \eta^2}{x^2 + y^2} \quad \frac{b}{b}^{\frac{1}{x}} \qquad (21)$$

where

$$\rho = \sqrt{\frac{(\xi - a)^2 + \eta^2}{\xi^2 + \eta^2}}$$

In conclusion, the pressure distribution on the profile RAD-38-12.66 is calculated by this method, using a computor. The results obtained are compared in tabular form with the experimental data of Ye. Karafoli (Ref. 4: Aerodinamika kryla samoleta (Aerodynamics of an Aircraft Wing), M. 1956). There are 1 figure, 2 tables and 5 Soviet-bloc references.

Card 4/ 5

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

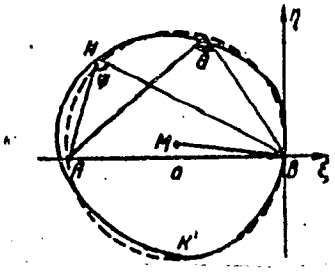
21366
S/021/61/000/012/003/011
D251/D305

Determining the pressure ...

ASSOCIATION: Drohobyts'kyy derzhavnyy pedahohichnyy instytut (State Pedagogic Institute of Drohobych)

PRESENTED: by H. M. Savin, Academician AS UkrSSR

SUBMITTED: March 10, 1961



Card 5/5

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.D.

Numerical method of mapping a polygon on a circle. Dop. AN URSR no. 2:177-180 '64. (MIRA 17:4)

1. Drogobychskiy gosudarstvennyy pedagogicheskiy institut. Predstavleno akademikom AN UkrSSR Yu.A.Mitropol'skim [Mytropol's'kyi, IU.O.].

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.D. (Drogobich)

Conformal representation of the appearance of a disk with a hole in it and the application of this representation to the problems of flow about given regions. Prykl. mekh. 10 no.2 [illegible]198-204 '64.
(MIRA 17:7)

1. Drogobychskiy gosudarstvennyy pedagogicheskiy institut.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.G. (stantsiya Konobeyevo Moskovskoy oblasti)

Setup for demonstration of the speed of electrochemical corrosion of clean metal in contact with another metal. Khim. v shkole 13 no.5:56 S-O '58. (MIRA 11:9)

(Electrolytic corrosion)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.I., inzh.

Improved fastening of the barrel of the EP screw press. Masl.-zhir. prom. 24 no.10:37-38 '58. (MIRA 11:10)

1. Severskiy gosmaslozavod.
(Power presses)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.M.

AID P - 3229

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 14/30

Authors : Sayapin, N. I., and P. M. Karpenko, Foremen

Title : Production of tubular manometric springs

Periodical : Energetik, 8, 14-15, Ag 1955

Abstract : At one of the hydroelectric power stations, 30- and 100-at manometric springs were produced according to the authors' designs. The authors describe the production procedure. Four drawings.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

AKHMEDBABAYEV, M.Kh.; ARIFDZHANOV, K.A.; BELOUSOV, N.A.; BELYAKOV, S.P.; ZOTOV, V.G.; ISAYEVA, Z.D.; MAKHMUDOV, I.A.; ISHCHENKO, F.S.; KRASIL'NIKOV, Ya.A.; NIKOL'SKIY, I.P.; NETSETSKIY, A.M.; PERGAT, F.F.; PAVLOVSKAYA, M.D.; SAMSONOV, L.S.; POLIZHAYEV, A.I.; SMIRNOV, F.Ye.; SABININ, M.N.; SHUTYAYEV, N.A.; CHIZHIK, V.I.; KARPENKO, P.M.; IMEROV, A.I.

Mikhail Aleksandrovich Nenetskii; obituary. Veterinariia 37 no.10:94 O '60. (MIRA 15:4)
(Nenetskii, Mikhail Aleksandrovich, 1899-1960)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

BOKSER, O.Ya; KARPENKO, P.N.

Method of investigation of speech reactions. Zhur. nevr. i psikh. 54 no.12:1024-1028 D '54. (MLRA 8:2)

(SPEECH,
appar. for investigation of speech reactions in higher nervous funct. tests)
(CENTRAL NERVOUS SYSTEM, function tests,
higher nervous funct. tests with appar. for investigation of speech reactions)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.T., brigadir puti (Stantsiya Olegovo, Yugo-Vostochnoy dorogi.)

Always in excellent condition. Put' i put.khoz. 5 no.10:9 O '61.
(MIRA 14:10)

(Railroads--Track)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

RADIENOV, V. V.

RADIENOV, V. V. -- "Magnetic Amplifier in a Double Contact Frequency System." Sub 30 Dec 52, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Vechernaya Moskva, January-December 1952

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.V., kandidat tekhnicheskikh nauk

Binary magnetic trigger. Trudy MEI no.14:63-72 '53. (MLRA 8:7)
(Electric circuits) (Electric relays)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P. V.

P. V. Karpenko, Semenovodstvo sakharnoy svekly (Sugar-beet Seed Growing) Sel'khozgiz, 1h sheets, 1953.

A booklet on sugar beet selection and seed growing, treating the biological (vital) peculiarities and structure of plants during the first and second years of growth, the technical agronomy of beets and transplantation, the storage of seeds and seed roots.

The booklet is intended for agricultural supervisory workers and specialists, directors and agronomists of beet sovkhozes and machine-tractor stations.

SO: U-6172, 18 Nov 1954

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, Pavel Vasil'yevich

[Growing sugar beets] Sveklovodstvo. 2., perer. izd. Dopushcheno v kachestve uchebnogo posobiya dlya agronomicheskikh fakul'tetov sel'khoz.in-tov. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 314 p. (MIRA 12:6)

(Sugar beets)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

USSR / Cultivated Plants. Plants for Technical Use. M
Oil Plants. Sugar Plants.

Abs Jour : Ref Zhur - Biologiya, No 6, 1959, No. 25004

Author : Karpenko, P. V.
Inst : Voronezh Agricultural Institute
Title : Forty Years of Labor with the Sugar Beet

Orig Pub : Zap. Voronezhsk. s.-kh. in-ta, 1958, 28, No 1, 37-38

Abstract : No abstract given

Card 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.V.

Means of increasing the yield of sugar-beet seeds. Sakh.prom. 34 no.5:62-66 My '60. (MIRA 14:5)

1. Voronezhskiy sel'skokhozyaystvennyy institut.
(Sugar beets)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.V.; YAKIMENKO, I.Ya.; GONCHAROV, G.A.

Mechanization of labor-consuming processes involved in the growing of sugar-beet seeds. Sakh.prom. 34 no.8: 58-59 Ag '60. (MIRA 13:8)

1. Voronezhskiy sel'skokhozyaystvennyy institut (for Karpenko, Yakimenko). 2. Mikhaylovskiy sveklosovkhoz (for Goncharov).
(Sugar beets)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, P.

Alarm? It is a drill... Pozh.delo 7 no.9:20 S '61.
(MIRA 14:11)

1. Nachal'nik pozharnoy komandy, Kamyzyan, Astrakhanskoy oblasti.
(Astrakhan Province--Fire departments)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

PAVLOV, A.I., kand.tekhn. nauk, dotsent; KARPENKO, R.A., inzh.

Hungarian apparatus for testing textiles. Izv. vys. ucheb. zav.; tekh. leg. prom. no.2:138-144 '60. (MIRA 13:11)

1. Kiyevskiy tekhnologicheskiy institut legkoy promshlennosti.
(Hungary--Textile industry--Equipment and supplies)
(Textile fabrics--Testing)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, R.A., inzh.

Instrument for determining the yarn length of a loop in knit goods. Izv.vys.ucheb.zav.; tekh.leg.prom. no.4:157-160 '60. (MIRA 13:10)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti.
(Knitting machinery) (Hungary--Measuring instruments)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

BOBROVA, A.M.; SOKOLOVA, L.A.; KARPENKO, R.N.

Coagulation of black slimes in the manufacture of titanium dioxide pigment. Lakokras.mat.i ikh prim. no.3:45-47 '62. (MIRA 15:7)

(Titanium dioxide)
(Surface-active agents)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S.

Cotton Growing - Ukraine

Cultivation of cotton by the foremost machine-tractor stations of the Ukraine.
Khlopkovodstvo no. 4, 1952

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKOV, S.

Voluntary inspection finds fresh power. Avt.transp. 41 no.10: 7-8 O '63. (MIRA 16:10)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

YAKIMUK,P.G., inzhener-mekhanik; VASILYUK,N.F.; GAL'PERIN,L.Yu.; ZAYTSEV,T.F.; KARPEN'KO,S.A.; STEPANENKO,A.N.; YAVORSKIY,A.A.; SHAGOMYALO,V.I., redaktor; GURZHIY,M.Ye., tekhnicheskiy redaktor

[Tractor operator's manual] Spravochnik traktorista. Izd.4-oe, perer. i dop. Kiev, Gos.izd-vo selkhoz.lit-ry USSR, 1955. 519 p. (Tractors--Handbooks, manuals, etc) (MIRA 9:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

ZAYTSEV, T.F.; KARPENKO, S.A.; NESVITSKIY, Ya.I.; kandidat tekhnicheskiy nauk; STEPANENKO, A.N.; YAVORSKIY, A.A.; SHAGOMYALO, V.I., redaktor; KRAVCHENKO, M.F., tekhnicheskiy redaktor

[Tractor brigade leader's manual] Spravochnik brigadira traktornoi brigady. Izd. 2-oe, dop. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1956. 483 p. (MLRA 10:4)
(Tractors)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S.A., inzh.

Developments in welding procedures in White Russia. Svar. proizv. no.7:33 Jl '61. (MIRA 14:6)

1. Belorusskiy sovnarkhoz.
(White Russia--Welding)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

TKACHENKO, Aleksey Yefimovich; KARPENKO, Sergey Aleksandrovich; VORONEZHSKIY, V.I., inzh., retsenzent; PILIPENKO, Yu.P., inzh., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Machines for the over-all mechanization of field crop cultivation] Mashiny dlia kompleksnoi mekhanizatsii rabot v polevodstve. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1961. 128 p. (MIRA 15:2)
(Farm mechanization)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S.O., inzh.

Structural features of the SK-4 combine. Mekh.sil'.hosp. 12 no. 6:29-30 Je '61. (MIRA 14:5)
(Combines (Agricultural machinery))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KOVTUN, I.G. [Kovtun, I.H.], kand.ekonom.nauk; KARPENKO, S.Ø., inzh.

Determining the economic effectiveness of new machinery. Mekh. sil'.hosp. 12 no.8:19-21 Ag '61. (MIRA 14:7)
(Agricultural machinery)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S. E., Dir.
Dir. of the Dept. of Parasitology, Odessa Oblast vet. Bact. Lab.
"Illness of horses with rhinoestrosis?"
SO: Vet. 24(3) 1947, p 42

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

TUGARINOV, A.I.; ZYKOV, S.I.; KARPENKO, S.F.

Absolute age of the Saksagan' Plagioclase granites in the Krivoy Rog Basin. Geokhimiia no.2:245-247 F '65. (MIRA 18:6)

1. Institut geokhimii i analiticheskoy khimii imeni Vernadskogo AN SSSR, Moskva.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S.K., inzh.-mekhanik (stantsiya Mozhaysk Kalininskoy dorogi)

Improved frame for a rail-drilling machine. Put' i put.khoz. no.1:13 Ja '59. (MIRA 12:2)
(Railroads--Rails) (Drilling and boring machinery)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S.K., inzh.-mekhanik (stantsiya Mozhaysk Kalininskoy dorogi)

Rack clamp used for repair ties in the track. Put' i put. khoz. no.3:22 Mr '59. (MIRA 12:6)
(Railroads--Tools and implements)
(Railroads--Ties--Maintenance and repair)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, S.K., inzh.-mekhanik (st.Mozhaysk, Kalininskoy dorogi).

Mobile bridge gauge. Put' i put. khoz. no.5:25 My '59.
(MIRA 12:8)

(Railroad bridges) (Gauges)

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KARPENKO, S.K., inzh.-mekhanik (stantsiya Mozhaysk, Kalininskaya doroga)

Boring seats in ball bearings. Put' i put. khoz. no.6:28 Je '59.
(MIRA 12:10)

(Drilling and boring) (Ball bearings)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, T.F.; PCHELKIN, Yu.N.

Electric solar fruit drier. Sbor. nauch.-tekh. inform. po elektr. sel'khoz. no.16/17:66-69 '64.
(MIRA 18:11)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

DVORKO, G.F.; KARPENKO, T.F.; SHILOV, Ye.A.

Kinetics and mechanism of hydrogen iodide addition to multiple carbon-carbon bonds in organic solvents. Part 5: Addition of hydrogen iodide to methyl ester of propiolic acid in chlorobenzene. Kin.i kat. 6 no.5:809-814 S-O '65.
(MIRA 18:11)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

DVORKO, G.F.; KARPENKO, T.F.

Contribution to the theory of nucleophilic additions. Part 13: Addition of hydrogen iodide to acetylenecarboxylic esters from mixtures of N-butyl quinolinium iodide and carboxylic acids in chloroform. Ukr. khim. zhur. 31 no.1:75-83 '65. (MIRA 18:5)

1. Institut organicheskoy khimii AN UkrSSR.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

DVORKO, G.F.; KARPENKO, T.F.; MIRONOVA, D.F.; SHILOV, Ye.A.

Contributions to the theory of nucleophilic additions. Part 15: Nature of the acid as an important factor in the kinetics of hydrogen iodide addition to dimethyl oster of acerylenedicarboxylic acid in methanol and methanol - chloroform mixtures. Ukr. khim. zhur. 31 no. 11:1177-1182 '65 (MIRA 19:1)

1. Institut organicheskoy khimii AN UkrSSr.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

MINASYAN, T.S.; SEROV, V.V.; OYSYANNIKOV, P.V.; ZHUKOV, I.S.; KARPENKO, T.G.

Using cracking residues as material for secondary cracking. Azerb.neft.khoz. 35 no.4:19-22 Ap '56. (MLRA 9:10)

(Cracking process)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, T.G.

SOV/65-59-4-8/14

AUTHORS: Minasyan, T.S., Pal'chikov, G.P., Bolotov, L.T., Ovsyannikov, P.V., Shumovskiy, V.G., Afanasenko, N.M., Rzadkov, A.P. and Karpenko, T.G.

TITLE: Investigations in the Grozny Plants on the Catalytic Purification of Middle Distillates Obtained During Thermo-Cracking Processes (Iz opyta raboty grozneneskikh zavodov po kataliticheskoy ochistke sredenikh distillyatov termicheskogo krakinga)

PERIODICAL: Khimiya i tekhnologiya topliv i masel, 1959, Nr 4, pp 44-48 (USSR)

ABSTRACT: The octane numbers of gasolines can be improved by catalytic cracking of the kerosine-gas-oil fractions, obtained during fractional distillation. This, however, seems unsatisfactory because these fractions are high quality starting materials for jet and diesel fuels etc. The middle fractions, obtained during thermal cracking, used as diesel fuels, contain a high quantity of unsaturated hydrocarbons and have a low cetane number. The quality of diesel fuels can be improved by using aluminium silicate catalysts and enriched secondary distillates. In this way, the consumption of unsaturated

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compounds is decreased and the cetane number of the diesel fuels increased, whilst maintaining the standards set on substances obtained after second distillation of the broad fraction and also by using mixtures of these thermal cracking and the kerosine fraction obtained during are given in table 1 and the process conditions in table 2. Some high octane gasoline was obtained during this process. This was purified, washed and reacted with an 10 to 20% NaOH solution. After stabilization it was purified again, treated with a 15 to 18% NaOH solution and washed. The stabilised pure gasoline had an octane number of 76. A catalyst of decreased activity (29 to 30) was used during the enriching process. The properties of the aluminium silicate catalysts are given (table 3). Table 4 gives the hydrocarbon composition of the gas. The catalytic cracking of middle fractions can

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be carried out on existing cracking plants and it is pointed out that the deposition of coke does not exceed the allowed limits. There are 4 tables.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, T.G.

S/081/61/000/021/070/094
B138/B101

AUTHORS: Bolotov, L. T., Shumovskiy, V. G., Ovsyannikov, P. V., Pal'chikov, G. F., Minasyan, T. S., Afanasenko, M. M., Rusakov, A. P., Burlakov, A. G., Karpenko, T. G.

TITLE: Pilot run for the commercial processing of a secondary raw material on a catalytic cracking unit

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 21, 1961, 401 - 402, abstract 21M82 ([Tr.] Groznensk. neft. in-t. sb. 23, 1960, 97 - 105)

TEXT: With the aim of increasing supplies of quality high-speed diesel fuels, experiments have been conducted, in commercial conditions, for the refining of the medium fractions of the thermal cracking process by redistribution of the hydrogen on the aluminosilicate catalyst. The characteristics of the starting material and of the end product are enumerated. It is said that it would be possible to use this method for the production of the components of high-octane automobile gasolines and low pour-point high-speed diesel fuels. Data are given for the production

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S/081/61/000/021/070/094
Pilot run for the commercial processing... B138/B101

cycle of the plant, and a comprehensive material balance is shown.
[Abstracter's note: Complete translation.]

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KARPENKO, T. N.

GLOTOVA, Ye. V. and KARPENKO, T. N. "The barrier function of the lymphatic glands of rabbits immunized by polyvaccines," Trudy Kirovskogo in-ta epidemiologii i mikrobiologii, Collection 2, 1948, p. 139-43, - Bibliog: p. 143.

SO: U-3736, 21 May '53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, T.V.

PHASE I BOOK EXPLOITATION SOV/6025

Soveshchaniye po ustalosti metallov. 2nd., Moscow, 1960.

Tsiklicheskaya prochnost' metallov; materialy vtorogo soveshchaniya po ustalosti metallov, 24 - 27 maya 1960 g. (Cyclic Metal Strength; Materials of the Second Conference on the Fatigue of Metals, held May 24 - 27, 1960) Moscow, Izd-vo AN SSSR, 1962. 338 p. Errata slip inserted. 2800 copies printed.

Resp. Ed.: I. A. Oding, Corresponding Member of the Academy of Sciences of the USSR; Ed. of Publishing House: A. N. Chernov; Tech. Ed.: A. P. Guseva.

PURPOSE: This collection of articles is intended for scientific research workers and metallurgists.

COVERAGE: The collection contains papers presented and discussed at the second conference on fatigue of metals, which was held at the Institute of Metallurgy in May 1960. These papers deal with the nature of fatigue fracture, the mechanism of formation

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and growth of fatigue cracks, the role of plastic deformation in fatigue fracture, an accelerated method of determining fatigue strength, the plotting of fatigue diagrams, and various fatigue test methods. New data are presented on the sensitivity of high-strength steel to stress concentration, the effect of stress concentration on the criterion of fatigue failure, the effect of the size factor on the strength of metal under cyclic loads, and results of endurance tests of various machine parts. Problems connected with cyclic metal toughness, internal friction, and the effect of corrosion media and temperature on the fatigue strength of metals are also discussed. No personalities are mentioned. Each article is accompanied by references, mostly Soviet.

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NATURE OF FATIGUE FRACTURE

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

EFFECT OF ENVIRONMENT
ON THE FATIGUE STRENGTH

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

S/137/62/000/012/030/085
A006/A101

AUTHOR: Karpenko, T. V.

TITLE: Basic factors in investigations of the effect of external media upon fatigue strength

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1962, 49, abstract 12I293 (In collection: "Tsiklich. prochnost' metallov", Moscow, AN SSSR, 1962, 233 - 237)

TEXT: An analysis is made of literature data on the effect of various external media upon the fatigue strength of metals and mechanisms of interaction of these media with the metal.

P. Zubarev

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

KARPENKO, T.Ye.

Giant myoma of the ligamentum teres uteri. Akush. i gin. 34 no.5:114-115 S-O '58 (MIRA 11:10)

1. Iz akushersko-ginekologicheskoy kliniki (zav.-prof. Ya.G. Bukhanov) na baze Stalingradskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach A.O. Gusev).
(UTERUS--TUMORS)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

ACC NR: AN7002252 SOURCE CODE: UR/9014/67/000/018/0004/0004

AUTHOR: Karpenko, V. (Special correspondent of Pravda Vostoka); Tatur, S. (Special correspondent of Pravda Vostoka)

ORG: none

TITLE: Studies of Antarctica

SOURCE: Pravda vostoka, no. 18, 21 Jan 67, p. 4, cols. 5-6

TOPIC TAGS: geophysic expedition, meteorologic expedition

ABSTRACT: The 12th Soviet antarctic expedition is on its way to Antarctica. The last group, made up of 73 people; is headed by G. I. Mel'nichuk, a meteorologist, who was with the station "Severnyy polyus-3." He said that Antarctia is a free territory, open for scientists of all countries. Any military activity there is forbidden by international law. At present, there are four stationary stations on that continent: Miznyy; Molodezhnaya; Vostok; and Novo-Lazarevskaya. Because of the snow, the main base is being transferred from Mirnyy to Molodezhnaya. The most difficult station is still Vostok, which is 3400 m above sea level. People working there say that it is not only necessary to work slowly, but also to think slowly. Incidentally, it is there that the world's lowest temperature of minus 87° was recorded. As regards the observations, they will be meteorological, geophysical (Earth magnetism, ionosphere, propagation of radiowaves), glaciological (study of the

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ice cover of the continent), and geological. For the first time, there will be some important medical research. Scientists are interested in the influence of Antarctica on the life activity and psychology of man. This year the Arctic and Antarctic Institute will publish the second volume of the Antarctica Atlas. This expedition, as was the last, is being organized by the Administration of the Hydrometeorological Service of the USSR. The head of the Novo-Lazarevskaya station O. K. Sedov, Candidate of Geophysic Sciences, said that the station will have 14 people, including meteorologists, aerologists, mechanics, doctors, and a microbiologist (R. Tashpulatov). Meteorologist G. A. Khlopushin, a veteran of 30 years experience, then described some of his past achievements. [NC]

SUB CODE: 08/ SUBM DATE: none/ ATD PRESS: 5110

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8

PLOTKIN, S., inzh.; KARPENKO, V., inzh.

Manufacture of large brick blocks for walls. Bud. mat. i konstr. 4 no.3:30-34 My-Je '62. (MIRA 15:5)
(Brick walls)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720820013-8"